**CA3\_X00161834**

For my CA I chose the web api: Coinranking cryptocurrency API.

It can be found here: https://rapidapi.com/user/Coinranking

To get the current value of the top 100 crypto currencies.

I started off with making the blazor app and adding an interface with a Task with a List of Coins that will be returned after making the API call

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Then I made a Coin Service which implements the interface and builds upon the Get Coins function.

This function uses the info needed for the API key to make a call to the API and retrieve the needed information.

The retrieved information is then stored in a variable from JSON to a LIST format for the compiler to understand what it must work with.

This next function calls the initial function to get all the info loaded up into the razor component. The razor component now has access to the retrieved data from the api

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We then add a foreach loop

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To map out all the coins that we have retrieved back from the API.

We then launch this component from the navbar, and all the functions are called, and we have data retrieved back from the API that is displayed on the page for the user.

The user can also press the Sort ascending by price, and it will sort the coins by price in an ascending order

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After some thorough manual testing I found that the sort by ascending only works for some of the coins and I am not too sure why, after taking a deeper look into it I could not find the issue.

After trying to implement some sort of search function the code blocks that I was adding in were not working as intended. After some testing and more research, I still could not figure it out.

The rest of the app seems to perform as intended and works well. I wish I could style it better and make it look better but we are not all media designers.

The app is deployed here :

https://ca3x00161834.azurewebsites.net/